Amendment to the Claims:

Claims 1-14 (canceled)

15. (Currently amended) An input device, comprising:

a motion detection sensor that is configured to generate three-dimensional (3D) motion data on first, second and third axes, associated with 3D movement of the input device;

means for transmitting the motion data to a computer;

means for causing the computer to derive a distance and direction of the movement of the input device in a two-dimensional (2D) plane based on the motion data on the first and second axes;

means for causing the computer to determine whether the motion data on the third axis is greater than a first predetermined value; and

means for causing the computer to move a cursor to a corresponding position based on the distance and direction derived in the 2D plane, upon the computer determining the motion data on the third axis is greater than the first predetermined value.

16. (original) The device of claim 15, wherein the transmitting means wirelessly transmits the motion data.

17. (original) The device of claim 15, further comprising:

means for causing the computer to determine whether the motion data on the first and second axes are greater than second and third pre-determined values, respectively; and

means for causing the computer to perform a left click operation, upon the computer determining either the motion data on the first axis are greater than the second predetermined value or the motion data on the second axis are greater than the third predetermined value.

18. (original) The device of claim 17, further comprising:

means for causing the computer to determine whether a time interval is greater than a predetermined duration, the time interval being between the motion data on the third axis being greater than the first predetermined minimum value and the motion data on the first axis being greater than the second predetermined value or the motion data on the second axis being greater than the third predetermined value;

means for performing a drag operation upon the computer determining the time interval is greater than the predetermined duration; and

means for performing a right click operation upon the computer determining the time interval is not greater than the predetermined duration.

19. (original) Computer-readable media tangibly embodying a program of instructions executable by a computer to perform a method of controlling a cursor of the computer in response to operation of an input device, the method comprising the steps of:

receiving three-dimensional (3D) motion data on first, second and third axes, associated with 3D movement of the input device;

deriving a distance and direction of the movement of the input device in a two-dimensional (2D) plane based on the motion data on the first and second axes;

determining whether the motion data on the third axis is greater than a first predetermined value; and

moving a cursor of the computer to a corresponding position based on the distance and direction derived in the 2D plane, upon determining the motion data on the third axis is greater than the first predetermined value.

20. (original) The media of claim 19, wherein the method further comprises:

determining whether the motion data on the first and second axes are greater than second and third pre-determined values, respectively; and

performing a left click operation, upon determining either the motion data on the first axis are greater than the second predetermined value or the motion data on the second axis are greater than the third predetermined value.

21. (original) The media of claim 20, further comprising:

determining whether a time interval is greater than a predetermined duration, the time interval being between the motion data on the third axis being greater than the first predetermined minimum value and the motion data on the first axis being greater than the second predetermined value or the motion data on the second axis being greater than the third predetermined value;

performing a drag operation, upon determining the time interval is greater than the predetermined duration; and

performing a right click operation, upon determining the time interval is not greater than the predetermined duration.

22. (original) A computer system, comprising:

an input device including:

a motion detection sensor that is configured to generate three-dimensional (3D) motion data on first, second and third axes, associated with 3D movement of the input device, and

means for transmitting the motion data to a computer; and

a computing device including:

means for deriving a distance and direction of the movement of the input device in a two-dimensional (2D) plane based on the motion data on the first and second axes,

means for determining whether the motion data on the third axis is greater than a first predetermined value, and

means for moving a cursor to a corresponding position based on the distance and direction derived in the 2D plane, if the motion data on the third axis are greater than the first predetermined value.

23. (original) The system of claim 22, wherein the transmitting means wirelessly transmits the motion data.

24. (original) The system of claim 22, wherein the computing device further comprises:

means for determining whether the motion data on the first and second axes are greater than second and third pre-determined values, respectively, and

means for performing a left click operation, if either the motion data on the first axis are greater than the second predetermined value or the motion data on the second axis are greater than the third predetermined value.

25. (original) The system of claim 24, wherein the computing device further comprises:

means for determining whether a time interval is greater than a predetermined duration, the time interval being between the motion data on the third axis being greater than the first predetermined minimum value and the motion data on the first axis being greater than the second predetermined value or the motion data on the second axis being greater than the third predetermined value,

means for performing a drag operation, if the time interval is greater than the predetermined duration, and

means for performing a right click operation, if the time interval is not greater than the predetermined duration.

26. (original) A method for controlling a cursor of a computer in response to operation of an input device, the method comprising the steps of:

receiving three-dimensional (3D) motion data on first, second and third axes, associated with 3D movement of the input device;

deriving a distance and direction of the movement of the input device in a two-dimensional (2D) plane based on the motion data on the first and second axes;

determining whether the motion data on the third axis is greater than a first predetermined value; and

moving a cursor of the computer to a corresponding position based on the distance and direction derived in the 2D plane, if the motion data on the third axis is greater than the first predetermined value.

27. (original) The method of claim 26, further comprising:

determining whether the motion data on the first and second axes are greater than second and third pre-determined values, respectively; and

performing a left click operation, if either the motion data on the first axis are greater than the second predetermined value or the motion data on the second axis are greater than the third predetermined value.

28. (original) The media of claim 20, further comprising:

determining whether a time interval is greater than a predetermined duration, the time interval being between the motion data on the third axis being greater than the first predetermined minimum value and the motion data on the first axis being greater than the second predetermined value or the motion data on the second axis being greater than the third predetermined value;

performing a drag operation, if the time interval is greater than the predetermined duration; and

performing a right click operation, if the time interval is not greater than the predetermined duration.